

SEQUENCE LISTING



<110> Reinl, Stephen
Lindbo, John
Turpen, Thomas

<120> CREATION OF VARIABLE LENGTH AND SEQUENCE LINKER REGIONS
FOR DUAL-DOMAIN OR MULTI-DOMAIN MOLECULES

<130> 42205

<140> 09/667,237
<141> 2000-09-22

<150> US 60/155,978
<151> 1999-09-24

<160> 51

<170> PatentIn Ver. 2.1

<210> 1
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Glycine rich
linker

<400> 1
Pro Gly Ile Ser Gly Gly Gly Gly
1 5

<210> 2
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Asparagine
rich linker

<400> 2
Asn Asn Asn Asn Asn Asn Asn Asn Leu Gly Ile Glu Gly Arg
1 5 10 15

<210> 3
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: (Gly4-Ser)3

<400> 3
Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser
1 5 10 15

<210> 4
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: VH domain forward primer

<400> 4
gtggcatgca ggttcaactg gtggagtctg 30

<210> 5
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: VH domain reverse primer

<220>
<223> "asy" can appear from 1 to 50 times before the remainder of the sequence

<400> 5
asytggaggag acggtgacca gggttc 26

<210> 6
<211> 41
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: VH domain reverse primer, first reaction

<400> 6
asyasyasya syasyasytg aggagacggt gaccagggtt c 41

<210> 7
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: VH domain reverse primer, second reaction

<400> 7
asyasyasya syasyasyas yasyasytga ggagacggtg accagggttc 50

<210> 8
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: VL domain forward primer

<220>
<223> "rst" can appear from 1 to 50 times before the remainder of the sequence

<400> 8
rstgacattc agatgaccca gtctccttc 29

<210> 9
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: VL domain reverse primer

<400> 9
cacccttaggc tatcgtttga tcagtacctt ggtcccctg 39

<210> 10
<211> 44
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: VL domain forward primer, third reaction

<400> 10
rstrstrstr strstrrstga cattcagatg acccagtctc cttc 44

<210> 11
<211> 53
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: VL domain forward primer, fourth reaction

<400> 11

rstrstrstr strstrstrs trstrstgac attcagatga cccagtctcc ttc 53

<210> 12
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Linker region nucleotide sequence

<400> 12
actactgcta ctggtgctag tactactgct ggtgcttagt 39

<210> 13
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Linker region amino acid sequence

<400> 13
Thr Thr Ala Thr Gly Ala Ser Thr Thr Ala Gly Ala Ser
1 5 10

<210> 14
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Linker region nucleotide sequence

<400> 14
gctactgctg ctagtgtgc tgctgctgg ggtggta 39

<210> 15
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Linker region amino acid sequence

<400> 15
Ala Thr Ala Ala Ser Gly Ala Ala Gly Gly Gly Thr
1 5 10

<210> 16
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Linker region nucleotide sequence

<400> 16 39
gctactggtg ctagtactag tgctactgct ggtggtagt

<210> 17
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Linker region amino acid sequence

<400> 17
Ala Thr Gly Ala Ser Thr Ser Ala Thr Ala Gly Gly Ser
1 5 10

<210> 18
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Linker region nucleotide sequence

<400> 18 39
agtactgctg ctggtaactag tagtggtagt agtactggt

<210> 19
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Linker region amino acid sequence

<400> 19
Ser Thr Ala Ala Gly Thr Ser Ser Gly Ser Ser Thr Gly
1 5 10

<210> 20
<211> 51
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Linker region
nucleotide sequence

<400> 20

gctagtactg ctactagtag tggtggtggt ggtactggta gtagtgctgc t

51

<210> 21

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Linker region
amino acid sequence

<400> 21

Ala Ser Thr Ala Thr Ser Ser Gly Gly Gly Thr Gly Ser Ser Ala Ala
1 5 10 15

Ala

<210> 22

<211> 60

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Linker region
nucleotide sequence

<400> 22

gctactagta ctgctgctgc tggtgctact agtgctactg gtgggtgctag tggtaactgg 60

<210> 23

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Linker region
amino acid sequence

<400> 23

Ala Thr Ser Thr Ala Ala Ala Gly Ala Thr Ser Ala Thr Gly Gly Ala
1 5 10 15

Ser Gly Thr Gly

20

<210> 24
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Linker region nucleotide sequence

<400> 24 39
actggtgcta gtggtgctac tagtagtggt agtagtagt

<210> 25
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Linker region amino acid sequence

<400> 25
Thr Gly Ala Ser Gly Ala Thr Ser Ser Gly Ser Ser Ser
1 5 10

<210> 26
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: VH domain forward primer

<400> 26 31
cctgcatgct ggaggtgcag ttgggtggaaat c

<210> 27
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: VH domain reverse primer

<220>
<223> "asy" can appear from 1 to 50 times before the remainder of the sequence

<400> 27 23
asyagaggag acgggtgacca tga

<210> 28
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: VH domain
reverse primer, first reaction

<400> 28
asyasyasya syagaggaga cggtgaccat ga 32

<210> 29
<211> 47
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: VH domain
reverse primer, second reaction

<400> 29
asyasyasya syasyasyas yasyasyaga ggagacggtg accatga 47

<210> 30
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: VL domain
forward primer

<220>
<223> "rst" can appear from 1 to 50 times before the
remainder of the sequence

<400> 30
rstcagtctg ccctgactca gt 22

<210> 31
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: VL domain
reverse primer

<400> 31
caccctaggt caacccaagga cggtcagggtt ggtc 34

<210> 32

<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: VL domain forward primer, first reaction

<400> 32
rstrstrstr strstrstca gtctgccctg actcagt 37

<210> 33
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: VL domain forward primer, second reaction

<400> 33
rstrstrstr strstrstrs trstrstcag tctgccctga ctcagt 46

<210> 34
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Linker region nucleotide sequence

<400> 34
ggtgctggtg gtgggt 15

<210> 35
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Linker region amino acid sequence

<400> 35
Gly Ala Gly Gly Gly
1 5

<210> 36
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Linker region
nucleotide sequence

<400> 36
actgggtggtg gtggtagtggtagtgggt 30

<210> 37
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Linker region
amino acid sequence

<400> 37
Thr Gly Gly Gly Gly Ser Gly Gly Gly
1 5 10

<210> 38
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Linker region
nucleotide sequence

<400> 38
actactacta ctgctactac tgctggtagt ggtgct 36

<210> 39
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Linker region
amino acid sequence

<400> 39
Thr Thr Thr Thr Ala Thr Thr Ala Gly Ser Gly Ala
1 5 10

<210> 40
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Linker region
nucleotide sequence

<400> 40
gctactactg gtgct 15

<210> 41
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Linker region
amino acid sequence

<400> 41
Ala Ser Thr Gly Ala
1 5

<210> 42
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Linker region
nucleotide sequence

<400> 42
agtactggta gtagtggtgc tggt 24

<210> 43
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Linker region
amino acid sequence

<400> 43
Ser Thr Gly Ser Ser Gly Ala Gly
1 5

<210> 44
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Linker region
nucleotide sequence

<400> 44
gctagtagtg gtgctagtg t 21

<210> 45
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Linker region
amino acid sequence

<400> 45
Ala Ser Ser Gly Ala Ser Ala
1 5

<210> 46
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Linker region
nucleotide sequence

<400> 46
gctagtggtg gtactgctgg tactgggtggt agtagtact 39

<210> 47
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Linker region
amino acid sequence

<400> 47
Ala Ser Gly Gly Thr Ala Gly Thr Gly Gly Ser Ser Thr
1 5 10

<210> 48
<211> 51
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Linker region
nucleotide sequence

<400> 48
actagtggtta gtgggtgctag tgctgctgct ggtgggtgctg ctgctagtc t 51

<210> 49

<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Linker region
amino acid sequence

<400> 49
Thr Ser Gly Ser Gly Ala Ser Ala Ala Ala Gly Gly Ala Ala Ala Ser
1 5 10 15

Ala

<210> 50
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Duplex with
bubble, upper sequence

<400> 50
rstrstrstr strstrstca tgcc 24

<210> 51
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Duplex with
bubble, lower sequence

<400> 51
ggcatgasya syasyasyas yasy 24